

REPORT OF CHANNEL CONDITIONS 400 FEET WIDE OR GREATER (ER 1130-2-306)						PAGE 1 OF 1		
						DATE 5 December 2006		
TO: Record				FROM: U.S. Army Corps of Engineers 26 Federal Plaza, ATTN: CENAN-OP-ST New York, NY 10278-0090				
RIVER/HARBOR NAME AND STATE: Arthur Kill, Outerbridge to Gulfport Reaches, New York and New Jersey Channels						MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
Outerbridge Reach (Reach M) Partial: Begins 800' downstream of Outerbridge Crossing and extends 0.93 nmiles to GREEN GAS #5	File 1285, sheets 2-4 of 18; June-Sept 2006	600	0.93	35	33.2	35.4	36.1	34.5
Port Secony Reach (Reach L): Begins at GREEN GAS #5 and extends 0.87 nmiles to a point 60' upstream of GREEN GAS #11	File 1285, sheets 4-5 of 18; June-Sept 2006	600	0.87	35	34.0	35.7	35.6	33.0
Port Reading Reach (Reach K): Begins at a point 60' upstream of GREEN GAS #11 and extends 1.82 nmiles to 80' upstream of GREEN Gas #21	File 1285, sheets 5-9 of 18; June-Sept 2006	500	1.82	35	16.9	34.2	34.7	26.1
Fresh Kills Reach (Reach J): Begins 80' upstream of GREEN GAS #21 and extends 1.65 nmiles to a point 480' downstream of RED NUN #30	File 1285, sheets 9-12 of 18; June-Sept 2006	500	1.65	35	31.1	34.8	35.7	32.8
Tremley Point Reach (Reach I): Begins at 480' downstream of RED NUN #30 and extends 0.95 nmiles to RED GAS #36	File 1285, sheets 12-14 of 18; June-Sept 2006	500	0.95	35	32.0	37.9	36.4	29.2
Pralls Island Reach (Reach H): Begins at RED GAS #36 and extends 1.13 nmiles to a point 900' upstream of the overhead power cable crossing at Piles Creek	File 1285, sheets 14-16 of 18; June-Sept 2006	500-600	1.13	35	28.1	34.9	36.4	28.2
Gulfport Reach (Reach G) Partial: Begins at a point 900' upstream of the overhead power cable crossing at Piles Creek and extends 1.30 nmiles to a point 1,100' upstream of the Goethals Bridge	File 1285, sheets 16-18 of 18; June-Sept 2006	600-500	1.30	35	32.3	36.7	37.5	10.5
REMARKS: All depths in MLW Channel shoaling: <ul style="list-style-type: none"> Outerbridge Reach: Minor shoaling along the left and right channel edges with minimum depth of 33.2' and 34.5' respectively. Port Secony Reach: Minor shoaling along the left and right channel edges with minimum depth of 34.0' and 33.0' respectively. Port Reading Reach: Shoaling along the left and right channel edges, at the bend (Tufts Point), between GREEN GAS #17 and #21, with maximum depth of 16.9' and 26.1' respectively. Fresh Kills Reach: Shoaling along the left channel edge with minimum depth of 31.1' and minor shoaling along the right channel edge with minimum depth of 32.8'. Tremley Point Reach: Minor shoaling along the left and right channel edges with minimum depth of 32.0' and 29.2' respectively. Pralls Island Reach: Minor shoaling along the left and right channel edges with minimum depth of 28.1' and 28.2' respectively. Gulfport Reach: Minor shoaling along the left and right channel edges with minimum depth of 32.3' and 10.5' respectively. 								